

**REMARKS**

Before entry of the amendment, Claims 1-6 are the claims pending in the application and presently stand rejected. After entry of the amendment, Claims 1-12 will be all the claims pending in the application.

***Formal Matters***

Applicant thanks the Examiner for acknowledging Applicant's claim to foreign priority and for indicating receipt of the certified copy of the Priority Document.

Applicant additionally thanks the Examiner for returning the initialed PTO/SB/08 forms filed with the Information Disclosure Statements of October 21, 2005 and October 2, 2006.

***Drawings***

Figure 1 has been amended, as suggested by the Examiner, to label Figure 1 as Related Art. Figures 2, 3, and 4 have been amended to change the label "noise/Interface electric power estimation unit" to the correct "noise/Interface power estimation unit", as referred to throughout the specification (e.g., page 5, line 10). Applicant respectfully notes no new matter is added by these changes and these changes are fully supported by the specification.

***Amendments to the Specification***

Applicant has amended the specification to correct two typographical errors: an incorrectly structured sentence and an incorrect Figure reference. Additionally, Applicant has amended the Abstract to remove references to the Figures. Applicant respectfully notes no new matter has been added by these changes.

***Claim Rejections - 35 U.S.C. § 112***

Claims 1-6 currently stand rejected under 35 U.S.C. § 112, second paragraph. Claims 1 and 6 stand rejected for indefiniteness because of an apparent lack of distinction between the channel estimation signal and the tentative channel estimation signal. Applicant respectfully notes the tentative channel estimation signal is generated by the tentative channel estimation unit [Claim 1, page 12, line 4; Claim 6, page 14, lines 16-17], and the channel estimation signal is generated by the effective path detection unit [Claim 1, page 12, line 21; Claim 6, page 15, line 3].

If further clarification is required, Applicant respectfully draws the Examiner's attention to page 5, lines 8-9 (tentative channel estimation signal  $S_{test}$ ) and line 22 (channel estimation signal  $S_{est}$ ), and the corresponding output signals of blocks 102 and 105 of Figure 2.

Applicant hereby amends Claim 4 to correct the antecedent basis of "the maximum path power". Applicant respectfully notes the Office Action suggested amending Claim 3 to correct this error, but the error was present in Claim 4.

Applicant has additionally amended Claim 1 to correct two minor typographical errors. Applicant respectfully notes no new matter is added by these corrections.

***Allowable Subject Matter***

Claims 1 and 6 were indicated as allowable if rewritten to overcome the above 35 U.S.C. § 112, second paragraph rejections. Claims 2-5 were indicated as allowable if rewritten to overcome the above 35 U.S.C. § 112, second paragraph rejections and to include all the limitations of the base claim and intervening claims. Applicant believes the above amendments and clarifications are sufficient to overcome the corresponding § 112 rejections and therefore respectfully asks that the rejections be withdrawn.

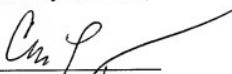
Additionally, Applicant has added Claims 7-12 to better encompass aspects of the present invention. Applicant respectfully submits that no new matter is added by these additional claims, they are fully supported by the specification, and no new search is required.

***Conclusion***

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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